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PAPERS IN CONNECTION WITH THE BUBONIC PLAGUE.

Proceedings of the Government of Mysore.

READ—

Letter No. 6425, dated the 31st January 1899, from the Plague Commissioner in Mysore, stating that the Superintending Engineer, Sanitary Works, proposes to employ two draughtsmen on Rs. 25 each for preparing plans "for the allottees building houses" at each of the two Extensions, Bangalore City, and to meet the cost as far as possible by levying Re. 1 from each person to whom they are supplied, and requesting sanction thereto.

No. Pg. 1101-2, DATED BANGALORE, 2ND FEBRUARY 1899.

ORDER THEREON.—Sanctioned; the date of entertainment should be intimated to the Comptroller direct.

Extract from the Diary of the Superintendent of Police, Mysore district, for week ending Saturday the 25th January 1899.

1,005 houses have been vacated and are in the care of the Police, locked and sealed by the owners who have left for the country to escape infection.

The greatest number 410 is shown for the Mandi block with 210 in that of Lashkar, &c.

For the week the outpost registers show 1,060 persons having left Mysore, with 1,954 from the dates the outposts were opened out, i.e., about the 20th.

A large number however appear to have left before the 20th, and I would put it down to about 5,000 and more in all.

Inoculation is on the decline so far as can be gathered from persons attending the Town Hall for that purpose.

With the exception of Kumbarkoppal village, all other villages are healthy.

Extract from the Diary of the District Plague Officer, Tumkur, for the week ending 27th January 1899.

Monday the 23rd.

Halted at Kunchigeri for the night. The inhabitants of the place turned up in large numbers to see the Deputy Commissioner. The Deputy Commissioner explained to them at great length the various preventive measures adopted to cope with the plague and impressed upon their minds the advantages of inoculation and early evacuation. The next day inoculation was started in the town, and 101 persons came forward and got themselves inoculated. On our way back, on the 28th, Dr. Nanjappa inoculated about the same number and would have inoculated more had not the supply of serum that he had brought been exhausted. In this place no opposition was met with against inoculation. It is highly creditable of the Deputy Amildar that he educated the public feeling in favor of inoculation before an actual outbreak of plague took place.

Thursday the 26th.

Inspected the village of Raddihalli which is a Majra village attached to Kodigenhalli. In this village which has a population of 63 there were 3 attacks and 3 deaths up to the 10th of January and none since. The village was evacuated, and people were living in sheds in open fields. The infection seems to have been brought from Hindupur to which place the inhabitants of the village were going to buy articles of daily use at the weekly shandy.

The patel of Kodigenhalli, who is an intelligent man quite conversant with plague circulars, is also the patel of Raddihalli, and he had the latter village evacuated as soon as rats began to die in the houses. It is due to his prompt action that there were so few attacks in the village.

Friday, the 27th.

Tumkur Town.—There has been a further decrease in the number of plague cases. During the week under report, there were 6 attacks and 5 deaths as against 13 attacks and 10 deaths in the last week.

This steady decline has induced confidence into the minds of the people, and there has been a tendency already

Plague Commissioner's order—

People should be advised to wait a bit before returning to their houses and in no case should re-occupation be allowed until a responsible officer is satisfied that the houses have been thoroughly disinfected. In this connection the Deputy Commissioner's attention is invited to Regulations 6 (para 1, especially the last 2 lines and para 2), 9 and 11 of Notn. No. 9385—21-96, original Regulations for Mofussil. The disinfection of clothes and bedding of persons who have been camping out before their return into the town is strongly recommended; and in this connection the attention of the Deputy Commissioner is invited to Regulation 21A of the said Notification.

the town is receiving several applications daily for disinfection of houses.

on the part of the people who have left the town, to return to their houses. The officer in charge of the plague operations of

Shettihalli—			During the week under report, cases occurred in the marginally noted villages which have all been evacuated. There was one case at Urdgere, which was imported from Hindupur. The attacks at Devaruru were all amongst the inoculated. But deaths among them are very few.
	Attack.	Death.	
1 Babavara	... 1	1	
2 Devaruru	... 5	...	
3 Gangasandra	...	...
4 Antarasaballi	... 1	6	
5 Kuripalya	... 2	1	

The village of Ajalkote in the Tumkur taluk seems also to have been attacked. The Amildar of Tumkur reports in his diary of the 23rd that, while going to Heggeri, he heard that a girl of about 11 years of age, daughter of one Ibrahim Khan, had died of fever in the village of Ajalkote and that he went to the spot and found that the whole village was evacuated as dead rats were found in a neighbouring house. The people of the village are under observation and no case has occurred till now amongst them.

Diary of Mr. T. Bava Rau, Assistant Commissioner, Plague duty, Mysore, for 27th January 1899.

In the morning after waiting upon the Plague Commissioner, proceeded to Palhalli, an infected village in the French Rocks sub-division. The Superintendent of Police and Amildar were there when I went, as also Hospital Assistant Kyatuiyya. The whole of the village has been evacuated, except one family in which there are two patients. These have been permitted to stop in the house which is fairly commodious.

2. The present arrangement is that the Hospital Assistant visits the village each day and goes round the sheds which are scattered at long distances. If cases are brought to his notice, then he inspects and diagnoses them. Hospital or English treatment is generally refused and so no system of treatment is in force. If a case of plague is detected a separate shed is got up and the patient and an attendant segregated there. The rest of the family are advised not to go there.

3. The Hospital Assistant and myself examined two cases in which buboes were present. One case was septicæmic, the eyes were injected and one eye was closed. The patients are all improving. I am glad to see the Hospital Assistant touches and examines the patients without fear, with precautions as to disinfection of his hands soon after.

4. The registry of cases is not satisfactory. I have directed the systematic inspection of each shed twice a day by the Patel, shanbhog and the dafadar, with a view to ascertain all cases of sickness and death. The sheds will be numbered and a certain number allotted between each of these officials. The information to be placed before the Hospital Assistant at the time of his visit each day.

5. The same officials will also note arrivals and departures and see that arrivals from infected parts hold passes and observation notices and departures go out with passes and observation notices.

6. The village is being cleaned and rubbish collected and burnt. Some manure in front of the village was ordered to be buried or burnt. The Amildar has been requested to see to the thorough disinfection of all houses before re-occupation is permitted. The marking of infected houses has also to be done.

7. From Palhalli the Amildar and myself went Paschimavahini. The Plague Commissioner went to Bangalore by the 2nd train.

8. In the evening, I went to Seringapatam and Ganjam. The Amildar says there is no plague in Seringapatam. But some infected houses have not been properly marked, and one house in which a plague case occurred (the patient being subsequently removed) has not been disinfected for some time on the ground that it is locked up.

9. Then proceeded to Ganjam. The village is almost evacuated. Two deaths were reported today and the undertakers (Muhammadans) who were returning to Seringapatam were ordered to be detained and disinfected.

10. Two sheds are ready for a camp, but no one cares to occupy them. Two more sheds are in course of construction. But these, I think, are for the present unnecessary.

11. The Hospital Assistant inspects daily Ganjam, Seringapatam and Palhalli. He wishes to be relieved of the duty of inspection of passengers by rail at Seringapatam and Paschimavahini which is sometimes imposed on him. I think the Hospital Assistant's request is reasonable. The Assistant Surgeon Mr. Syed Umar, who puts up in Ganjam, may attend the trains. He may be given a free pass between Seringapatam and Paschimavahini.

12. Nurse Puttamma must, I think, be put entirely on plague duty and relieved of train inspection. The midwife attached to Seringapatam may do train inspection at Seringapatam and Paschimavahini in addition to her duties as midwife. She should also be given a free pass. Mr. S. Umar agrees to the above arrangements.

13. The Amildar thinks an ambulance staff for Seringapatam, Ganjam and Palhalli is necessary, and I have asked him to select the men. The Sub-Division Officer has also been addressed on the subject.

14. The clearing of Seringapatam and Ganjam is also going on.

Inoculation at the Dariya Daulat is also progressing.

15. A more systematic arrangement for daily supervision of the sheds and the record of sickness and death is also called for in the Seringapatam and Ganjam.

16. Returned to Mysore by road, inspecting Sidlingpura and Kalasvadi where no sickness is reported.

17. At Kalasvadi there is an outpost; only passengers from Mysore are here inspected and registered in a book. Persons from Ganjam side are allowed to proceed to Mysore. But since Ganjam is infected a similar restriction as regards passengers from Ganjam appears advisable.

18. A few constables are posted near the Municipal boundary who also only examine passengers from Mysore and see if they have got passes.

19. Returned to Mysore 7 p. m. Distance travelled 26 miles.

I.—Extract from the Diary of the Kolar District Plague Officer for the week ending Friday 27th January 1899.

P. Sunday 22nd January 1899. "Left Srinivasapur for Chintamani, and in the afternoon visited Handegere and Chinsandra (two infected villages) and had a talk with the people who are living out in the open and are very healthy looking. There have been no cases of plague in these villages since the 7th of this month.

2. 27th January 1899. I am glad to report that plague is subsiding in Malur town and that the disinfection of houses is being proceeded with under the personal superintendence of the Amildar and Hospital Assistant.

II.—Extract from the weekly Diary of the Deputy Commissioner and District Plague Officer, Kadur, for the week ending 28th January 1899.

"23rd January 1899. A native of Kadur, who arrived from an infected area, was found by the townspeople to be unwilling to subject himself to observation on the ground that he was inoculated, although it was explained to him that inoculation was only a remedy against detention and not against observation. The townspeople wisely came forward and prevented his entrance into the town and persisted that he should segregate himself before mixing with them. The passenger accordingly consented to remain outside the town and under observation for ten days."

III.—Extract from the Diary of the Additional Superintendent of Police, Bangalore, for the week ending 28th January 1899.

1. "22nd Sunday. Visited Begur which is a plague infected village. The whole village has been evacuated and the people have camped out in fields. Some deaths were reported among those that arrived late. No deaths since 14th January 1899.

2. One great improvement I saw in all the villages I inspected was the storing of manure outside the villages in fields."

Extract from the Diary of the District Plague Officer, Bangalore, dated 3rd February 1899.

"Plague appears to be decreasing in all taluks except Ankal; where it is still bad in the kasba. This taluk has suffered more than any other taluk in the district."

Statement showing the number of people in the Health Camps in the Bangalore City during the week ending Friday, the 27th January 1899.

Wards.	Remaining on the night of Friday, the 20th January 1899.	Admitted during the week ending Friday, the 27th January 1899.	Discharged during the week ending Friday, the 27th January 1899.	Remaining on the night of Friday, the 27th January 1899.	Remarks.
No. I Ward	The Sub-Wards are included in the Main Wards.
No. II Ward	367	23	107	283	
No. III Ward	...	...	...	...
No. IV Ward	241	44	64	221	
Total	608	67	171	504	

Statement showing the number of Houses Disinfected in the Bangalore City.

Week ending	Number of houses disinfected.
27th January 1899	389
20th do	392
From the commencement up to 13th January 1899 ..	3,004
Total ..	3,785

Weekly Return of persons inoculated in the Mysore State.

Name of place.	No. of 1st inoculations during the week ending 27th January 1899.	No. of 2nd inoculations during the week ending 27th January 1899.	Total.	Total of 1st inoculations up to the 27th January 1899.	Total of 2nd inoculations up to the 27th January 1899.	Grand Total.
Bangalore City ..	1,128	6	1,134	28,512	1,333	29,854
Mysore City ..	578	17	595	28,685	65	28,750
Bangalore district ..	1,700	...	1,700	6,386	...	6,386
Kolar Gold Fields ..	90	...	90	2,065	4	2,069
Kolar District (except Gold Fields) ..	166	...	166	611	1	612
Tumkur District ..	...	...	...	2,358	...	2,358
Mysore do ..	628	...	628	1,594	5	1,599
Hassan do ..	...	...	...	325	...	325
Shimoga do ..	9	...	9	219	2	221
Kadur do ..	24	...	24	199	10	209
Chitaldrug do ..	...	...	...	23	...	23

Comparative Statement showing the number of Infected Villages in each District during the weeks ending 20th and 27th January 1899.

Districts.	Infected villages.	
	During the week ending 27th January 1899.	During the week ending 20th January 1899.
Bangalore ..	47	48
Kolar ..	10	9
Tumkur ..	13	22
Mysore ..	5	3
Hassan ..	...	...
Shimoga ..	...	...
Kadur ..	...	...
Chitaldrug ..	...	...
Total ..	75	82

Statement of "Weekly Population" of the Bangalore City for the week ending 27th January 1899.

Wards.	Number remaining at the close of the previous week.	Arrivals during the week ending 27th January 1899.	Births during the week.	Total.	Number of departures during the week ending 27th January 1899.	Number of deaths during the week ending 27th January 1899.	Remaining at the close of the week ending 27th January 1899.	Difference.	
								Increase.	Decrease.
Ward No. I ..	8,644	508	7	8,959	43	7	8,909	265	...
Sub-Ward No. I... ..	6,891	94	1	6,986	88	4	6,894	3	...
Ward No. II ..	8,052	257	1	8,310	51	5	8,254	202	...
Sub-Ward No. II... ..	5,324	303	4	5,631	311	3	5,317	...	7
Ward No. III ..	7,333	75	4	7,512	101	8	7,403	170	...
Ward No. IV ..	11,421	358	6	11,785	246	5	11,534	111	...
Total ..	47,565	1,595	23	49,183	840	32	48,311	751	7

Supplementary Statement showing in detail the places in the Mofussil where Plague Cases and Deaths were reported in daily returns to the Plague Commissioner during the week ending Friday, the 27th January 1899.

Population in 1891.	Places.	During the week ending 27th January 1899.		During the week ending 20th January 1899.		Previously re- ported for period from 12th August 898 to 13th Jan. 1899.		Total.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Bangalore District.									
	Kengeri, Bangalore Taluk	2	2	5	5	76	72	83	79
	Yeswantpur do	1	1	1	1	24	18	26	20
	Varur do	2	2	2	2	57	56	61	60
	Yelahauka do	13	13	10	10	157	157	160	180
	Begur do	3	3	7	7	36	36	46	46
	Chikbansavar do	5	5	6	6	74	74	85	85
	Madivala do	1	1	3	3	8	8	12	12
	Koramangala do	1	1	4	4	11	11	16	16
	Laggeri do	1	1	1	1	5	5	7	7
	Amritahalli do	2	2	...	...	2	2	4	4
	Geddahalli do	4	4	2	2	...	...	6	6
	Siddapur do	1	1	...	...	16	5	7	6
	Attur do	2	2	...	...	...	...	2	2
	Kurukan Palya do	1	1	...	...	...	...	1	1
	Yadar do	2	2	...	...	17	6	9	8
	Nagasandra do	1	2	...	...	13	3	5	5
	Turukan Palya do	...	1	...	...	...	...	1	1
	Giddahalli do	1	1	...	...	...	...	1	1
	Gebiala do	2	2	...	...	...	...	2	2
	Hoskote Town	12	10	29	29	229	220	270	259
	Kadgod, Hoskote Taluk	...	...	3	...	8	12	11	12
	Heggondhalli do	...	...	4	3	...	...	4	3
	Madimelsandra do	1*	...	...	...	...	...	1	...
	Abbur do	1	1	...	...	...	...	1	1
	Dodballapur Town	15	15	44	44	193	185	252	244
	Kurubahalli, Dodballapur Taluk	...	...	2	2	...	...	2	2
	Aralamallige do	...	...	6	6	...	...	6	6
	Nelamangala do	25	17	14	13	40	28	79	58
	Tyamagondu, Nelamangala Taluk	8	7	4	3	34	26	46	36
	Madavar do	6	3	8	3	11	6	25	12
	Begur do	...	1	1	...	78	50	74	51
	Mallur Banavadi do	...	...	1	1	1	1	2	2
	Basavanahalli do	...	...	1	1	...	...	1	1
	Sasveghatta do	...	...	1	1	1	1	2	2
	Padripalya do	...	...	1	1	...	...	1	1
	Hubgowdanahalli do	21	1	...	...	...	...	1	1
	Harohalli, Kankanhalli Taluk	13	7	36	26	20	13	69	46
	Magadi Town	26	26	22	22	80	74	128	122
	Maichanbele, Magadi Taluk	...	...	1	1	...	...	1	1
	Kalya do	1	1	...	...	...	...	1	1
	Closepet Town	...	5	...	...	1	1	1	6
	Kempavara Palya, Closepet Sub-Taluk	...	...	2	1	...	...	2	1
	Channapatna Town	29	29	65	65	585	588	679	677
	Malur, Channapatna Taluk	...	...	5	5	8	8	13	13
	Gendamada do	...	...	6	6	1	1	7	7
	Bairapatna do	...	...	8	8	1	1	4	4
	Kottanur do	...	...	1	1	...	...	1	1
	Kudlur do	2	2	4	4	...	...	6	6
	Belikere do	...	...	1	1	...	...	1	1
	Rampura do	4	4	3	5	...	...	7	7
	Lalghatta do	...	...	2	2	...	...	2	2
	Vaddarguppe do	...	...	2	2	...	...	2	2
	Devarhosahalli do	5	5	1	1	...	...	6	6
	Mangalwarpete do	2	2	...	...	...	...	2	2
	Mandi do	2	2	...	...	...	...	2	2

Supplementary Statement of Plague Cases, &c.,—contd.

Population in 1891.	Places.	During the week ending 27th January 1899.		During the week ending 20th January 1899.		Previously reported for period from 12th August 1898 to 13th Jan. 1899.		Total.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Bangalore District (concluded).									
	Sonnaghatta, Channarayana Taluk.	1	1	...	...	...	...	1	1
	Anekal Town	56	56	107	93	284	229	447	378
	Sarjapur, Anekal Taluk	2	3	16	15	292	246	310	264
	Jigani do	...	1	8	13	59	34	67	48
	Bannerghatta do	...	...	2	1	22	10	24	11
	Yemari do	2	2	1	...	8	4	11	6
	Eulimangala do	7	4	10	8	6	6	23	18
	Dyavasandra do	...	...	3	2	6	1	9	3
	Muttanallor do	1	2	9	6	...	...	10	8
	Muttigatta do	...	...	4	2	...	...	4	2
	Nanjapur do	...	...	4	2	...	...	4	2
	Attibele do	4	8	8	1	...	...	12	9
	Cattanahalli do	3	1	...	...	...	...	3	1
	Devanahalli Town	24	24	24	24	62	61	110	109
	Chaggalatti, Devanahalli Taluk	3	3	...	...	...	...	3	3
	Homenahalli do	*1	1	...	...	...	...	1	1
	Other places	...	...	...	...	628	537	628	537
	Total	304	291	510	458	3,119	2,791	3,933	3,540
Kolar District.									
	Kolar Town	*1	...	1	...	11	6	13	6
	Nandidroog Camp, Bowringpet Taluk	1	...	...	...	...	...	1	...
	Chikkandahalli, Chintamani Taluk	...	...	1	1	...	...	1	1
	Srinivasapur Town	*1	...	...	...	...	...	1	...
	Sidlaghatta Town	...	*1	...	...	3	2	3	3
	Chikkallapur Town	36	50	59	63	133	108	228	221
	Manchenahalli, Chikkallapur Taluk	...	...	1	1	1	1	2	2
	Ankangoodi do	*1	1	1	1	1	1	3	3
	Mushtur do	*2	2	1	1	...	...	3	3
	Ajavara do	...	...	3	2	...	...	3	2
	Lingasettipura do	...	...	3	3	...	...	3	3
	Gopalakrishnakere do	...	...	1	1	...	...	1	1
	Harobande do	...	...	1	1	...	...	1	1
	Bommanahalli do	*2	1	...	...	...	...	2	1
	Tippanahalli do	*1	1	...	...	...	...	1	1
	Karikahalli, Goribidnur Taluk	...	1	1	3	10	7	11	11
	Irandahalli do	...	1	3	...	1	...	4	1
	Devanahalli do	...	...	...	2	2	...	2	2
	Hosur do	1	1	11	9	1	1	13	11
	Hudugur do	...	...	1	1	...	...	1	1
	Jirigepete do	1	1	1	1	1	1	3	3
	Puttamarisahalli do	...	...	1	1	...	...	1	1
	Hiribidnur do	...	...	1	1	2	1	3	2
	Mudigere, do	1	1	...	...	*2	2	3	3
	Narasaiyana Palya do	2	...	...	...	...	...	2	...
	Malur Town	15	14	37	45	144	108	196	167
	Lakkur, Malur Taluk	1	1	...	...	...	...	1	1
	Other places	...	...	...	...	154	141	154	141
	Total	66	76	128	137	466	379	660	592

*Imported.

Supplementary Statement of Plague Cases, &c. - *concd.*

Population in 1891.	Places.	During the week ending 27th January 1899.		During the week ending 20th January 1899.		Previously re- ported for period from 12th August 1898 to 13th Jan. 1899.		Total.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Tumkur District.</i>									
	Tumkur Town	4	4	13	11	368	269	387	284
	Kyatsandra, Tumkur Taluk	...	...	1	...	32	26	33	26
	Maralur do	3	2	...	1	20	18	23	21
	Gulur do	...	...	3	5	23	17	26	22
	Bellavi do	...	...	2	1	22	15	24	16
	Yogeshalli do	...	...	2	5	20	14	22	19
	Kallahalli do	...	...	1	1	1	2	2	3
	Kesaramadu do	...	1	6	3	19	16	25	20
	Melekore do	...	...	...	1	11	6	11	7
	Alsettupalya do	...	...	...	1	2	1	2	2
	Bairasandra do	...	...	...	1	20	16	20	17
	Deveruru do	5	...	3	1	3	2	11	3
	Gangesandra do	1	1	2	1	3	2	6	4
	Kuchangi do	...	...	1	3	4	2	5	5
	Kuripalya do	2	...	...	1	3	1	5	2
	Bugadanhalli do	2	1	4	4	...	...	6	5
	Timmalapura do	...	...	1	1	...	...	1	1
	Banavar do	1	1	2	1	...	...	3	2
	Honnaiyanhalli Palya do	...	...	1	1	1	1	2	2
	Satavangala do	1	1	1	1	1	...	3	3
	Palya or Agrahar do	9	11	18	5	...	...	27	16
	Aotharsanhalli do	8	4	...	...	...	...	8	4
	Heggeri do	5	1	...	...	1	1	6	2
	Maidala do	1	...	...	...	...	...	1	...
	Urdugeri do	†1	1	...	...	...	...	1	1
	Reddihalli, Maddur Taluk	...	...	1	1	...	...	1	1
	Other places	...	...	...	...	11	69	110	69
	Total	43	28	64	50	684	478	771	556
<i>Mysore District.</i>									
	French Rocks Town	1	1	...	...	120	109	121	110
	Haravalli, Seringapatam Taluk.	...	...	...	1	12	6	12	7
	Ganjanu do	15	13	4	1	...	...	19	6
	Keemala do	...	1	...	...	6	5	6	14
	Bellalachatra do	...	1	1	...	...	...	1	1
	Seringapatam Town	1*	...	...	...	...	...	1	...
	Paschimavahini, Seringapatam Taluk	...	1*	...	...	...	...	...	1
	Palkalli do	4	2	...	...	...	...	4	2
	Goudagere, Hunasur Taluk	...	...	2	1	...	...	2	1
	Bellikere do	...	...	1	1	...	...	1	1
	Nanjungud Town	...	...	...	1	1	...	1	1
	Katavadipur, Nanjangud Taluk.	1*	1	...	...	...	...	1	1
	Other places	...	...	...	...	24	12	24	12
	Total	22	20	8	5	163	132	193	157
	Hasan District	...	...	...	...	2	1	2	1
	Channarayana District	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
	Kadur District	...	...	...	...	6	5	6	5
	Chitaldrug District	...	...	...	...	6	4	6	4

†Imported.

*Vide Statement for week ending 13th January 1899.

Weekly statement of demolition of houses and compensation paid for them during the week ending Friday the 27th January 1899.

Houses demolished.		Houses for which compensation was paid.		Balance to be paid.	Remarks.
No.	Amount of compensation assessed for them.	No.	Amount.		
16	..	..	..	..	Houses Nos. 444 and 456 on the Avenue road and Nos. 130, 147, 148, 168, 550, 551, 556, 561 and 569 on the Taluk Cutcherry road were demolished by coolies and Nos. 160, 172, 173, 174 on the Taluk Cutcherry road by convicts.
Nil No.					
49	93 9 7	1	93 9 7	Nil	Lal-Bagh road, Dodda Mavalli.
44	47 8 0	1	47 8 0	Do	Appaiyanna's lane do
2	17 15 8	1	17 15 8	Do	Ramegowda's lane do
42	24 12 10	1	24 12 10	Do	Lal-Bagh road do
20					

LOCAL AND MUNICIPAL DEPARTMENT.

Notification, Fort St. George, 24th January 1899.

No. 63.—The following addition will be made to the list of infected areas published in Notification No. 1 on page 11, Part I—A of the Fort. St. George Gazette, dated 17th January 1899 :—

(9) Pattikonda taluk, Karnool District.

(Sd.) H. TREMANHEERE,
Secretary to Government.

Statement showing Plague Cases (Indigenous) in the Kanara District.

Places.				Indigenous.		Imported.	
				Cases.	Deaths.	Cases.	Deaths.
Previously reported	...	...	...	87	61	15	12
28-1-99.							
Mundgod Petha	...	...	...	2	...	...	...
30-1-99							
Haligal taluka...	...	...	...	6	1	...	...
Total	...	...	...	95	62	15	12

TELEGRAMS.

Date.	From whom.	Contents.
2-2-99	Collector, Bellary.	Plague cases 1st four attacks Peddahotur fields, one imported case Sankalapur near Hospet.
2-2-99	Plague Deputy, Collector, Guntakal.	Hindupur one fatal indigenous attack fields two old cases fatal Pideti four old cases fatal Modu one fatal imported case one fatal indigenous Polike two fatal indigenous cases.

V. P. MADHAVA RAO,
Plague Commr. in Mysore.